

# **HiTRON**

## **AC/DC EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 60-65 WATTS SWITCHING POWER SUPPLIES HES65 SERIES**



### **FEATURES:**

- ACCOMMODATE UNIVERSAL AC INPUT
- DESKTOP IEC320-3P/2P AC RECEPTACLE
- MEET UNIVERSAL SAFETY STANDARDS
- EMI MEET EN55022 / FCC CLASS B
- CE MARKING COMPLIANCE

### **SPECIFICATION**

#### **INPUT SPECIFICATION**

**Input Voltage:** 90-264Vac typical.  
**Input Connector:** IEC320 3P DT7 or 2P DT8  
 AC inlet receptacle.  
**Input Frequency:** 47-63Hz.  
**Inrush Current:** Less than 30A by adding thermister.  
**Input Current:** 1.3A @115Vac./0.55A @230Vac typical.  
**Dielectric Withstand:** Meet IEC60950-1.  
**EMI:** Meet EN55022 / FCC Class B.  
**Hold-up Time:** 12mS @115Vac typical.  
 75mS @230Vac typical.  
**Over Temp. Protection (OTP):** Optional.  
**Over Current Protection (OCP):** Optional.

#### **OUTPUT SPECIFICATION**

**Output Voltage:** See Ratings Chart.  
**Output Current:** See Ratings Chart.  
**Output Wattage:** 60-65Watt typical.  
**Output Connector & Cord:** Optional.  
**Output LED Indicator:** Installed.  
**Line Regulation:** 0.1% typical.  
**Load Regulation:**  $\pm 1.5$ -3.0% typical.  
**Noise & Ripple:** 1.0% typical peak to peak.  
**OVP:** Built-in, Zener Diode clamping.  
**Overload Protection (OLP):**  
 Fully protected against output overload and short circuit.  
 OLP set at about 125-150% rating output wattage.  
 Consult the factory for OLP setting.

#### **GENERAL SPECIFICATION**

**Efficiency:** 80-86% typical.  
**Switching Frequency:** Approximate 85K Hz.  
**Circuit Topology:** Fixed Frequency Flyback circuit.  
**Transient Response:** Output voltage returns in less than  
 3mS following a 25% load change.  
**Safety Standard:** Meet UL60950-1/ EN60950-1 Class I for  
 DT7 type or Class II for DT8 type.  
**Power Density:** 4.2 Watts / Cubic inch.

**Operating Temperature:** 0 to +25/35/40°C  
 without derating. (various with output voltage)  
**Storage Temperature:** -20 to +85°C.  
**Temperature Coefficient:** 0.04% /°C.  
**Cooling:** Free air convection.  
**Construction:** Impact resistant thermo-plastic  
 enclosure case.  
**Desktop Format.**

NOTE: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

(2) Load regulation is measured at 115Vac or 230Vac in percentage to indicate the change in output voltage as the load is varied from half load to full load ( $\pm\%$ ).

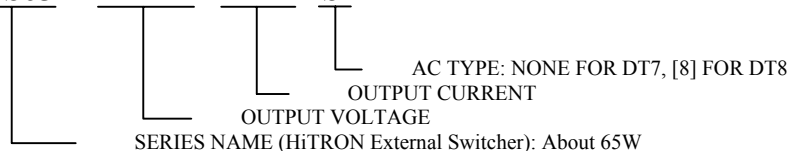
(3) The typical cord length is about 1 meter (3.3 ft.), AWG#18 cord for various load conditions.

(4) Due to requests in market and advances in technology, specifications subject to change without notice.



For the details of safety approval, please consult the factory.

## MODEL NO. DESCRIPTION: HES65 - X X X Y Y Y - S



## OUTPUT VOLTAGE / CURRENT RATINGS CHART

### SINGLE OUTPUT *(Model No. for example)*

MODEL NO.	AC PLUG	O/P VOLTAGE	O/P CURRENT
HES65-033750	DT7	3.3Vdc	7.50A
HES65-033750-8	DT8	3.3Vdc	7.50A
HES65-050700	DT7	5.0Vdc	7.00A
HES65-050700-8	DT8	5.0Vdc	7.00A
HES65-090600	DT7	9.0Vdc	6.00A
HES65-090600-8	DT8	9.0Vdc	6.00A
HES65-120520	DT7	12.0Vdc	5.20A
HES65-120520-8	DT8	12.0Vdc	5.20A
HES65-150430	DT7	15.0Vdc	4.30A
HES65-150430-8	DT8	15.0Vdc	4.30A
HES65-180360	DT7	18.0Vdc	3.60A
HES65-180360-8	DT8	18.0Vdc	3.60A
HES65-196340	DT7	19.6Vdc	3.40A
HES65-196340-8	DT8	19.6Vdc	3.40A
HES65-240290	DT7	24.0Vdc	2.90A
HES65-240290-8	DT8	24.0Vdc	2.90A
HES65-360185	DT7	36.0Vdc	1.85A
HES65-360185-8	DT8	36.0Vdc	1.85A
HES65-480140	DT7	48.0Vdc	1.40A
HES65-480140-8	DT8	48.0Vdc	1.40A

## MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 320.0g (11.30 Oz.)

